



NZ Barn Extension

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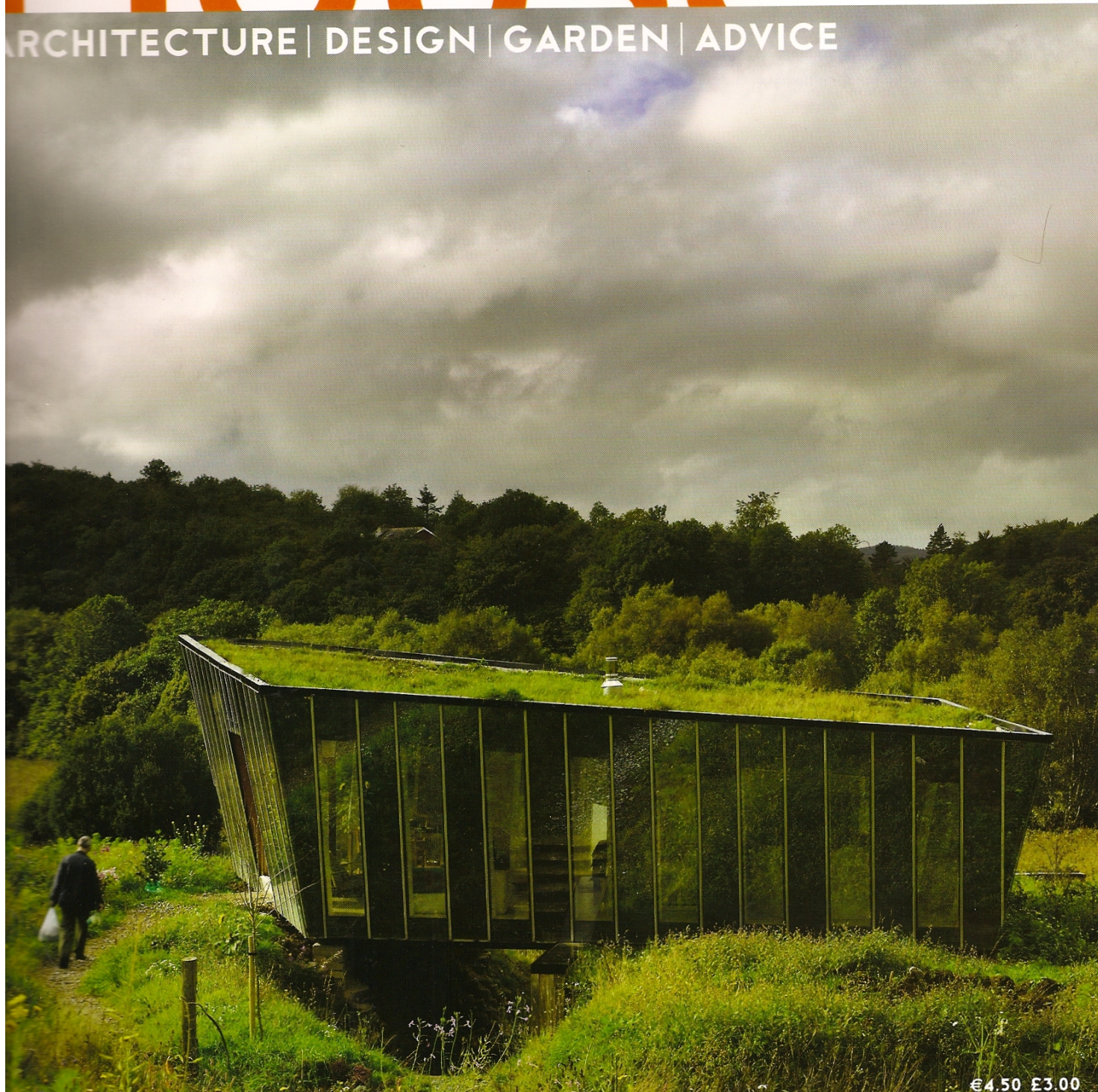
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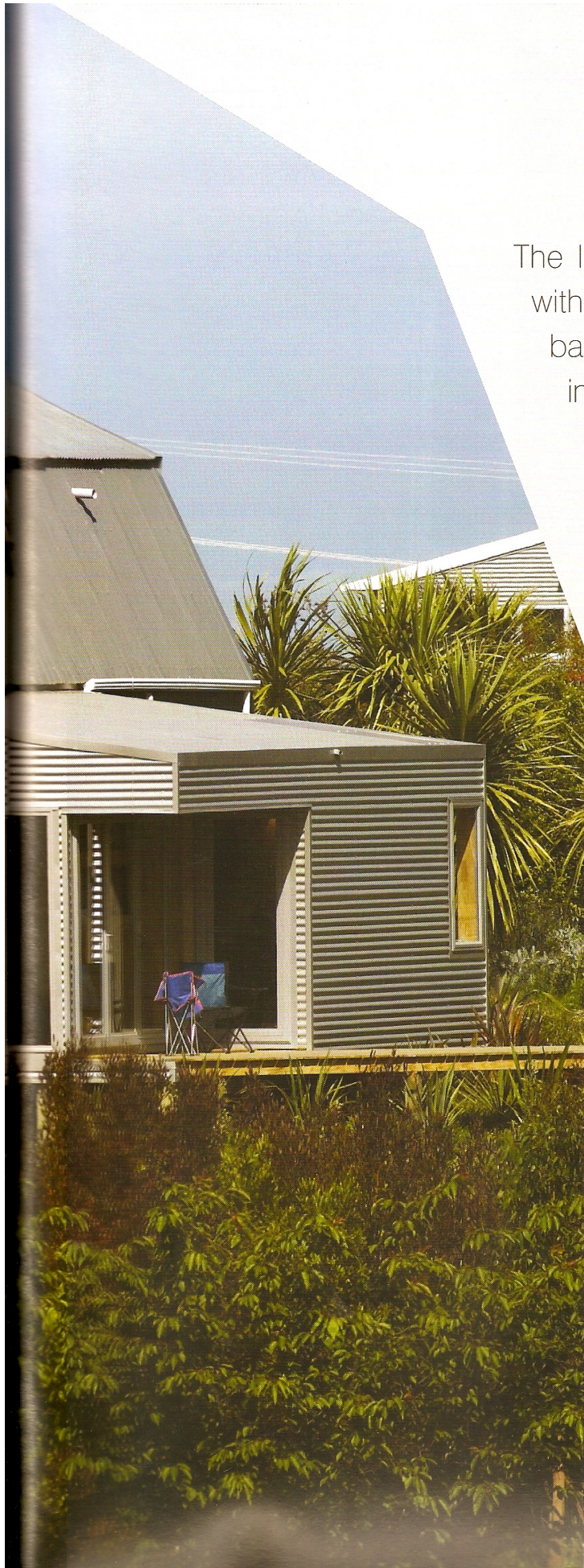
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BARN EXTENSION

NELSON BAY, NEW ZEALAND



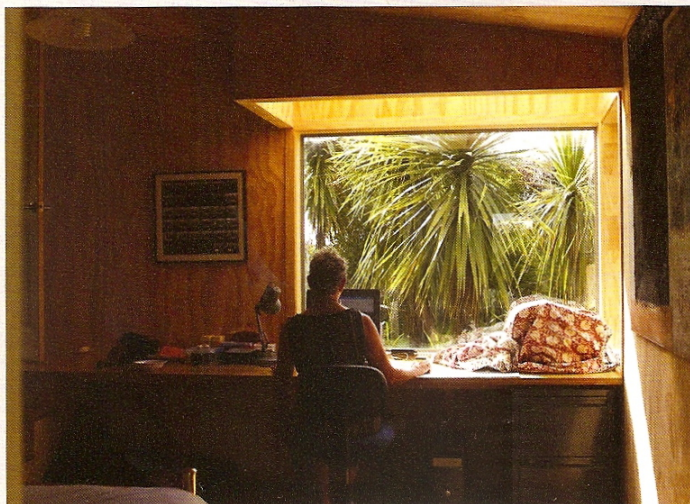
The lush and exotic landscape combined with the distinctive architectural style of this barn extension instantly places this project in New Zealand. The original converted barn sits on a hilltop overlooking Nelson Bay, on the South Island.



Left: The stunning coastal setting of this rural barn with its sympathetic extension
Above: The existing barn and (left) the living room

"With a limited budget, we wanted to extend the existing barn to create some generous spaces for family living", recalls Jane Kinsey and adds "but of equal importance was a flexible space that could be used as a small studio and gallery for our paintings, and finally some room to sell the olive oil we produce from our surrounding olive groves".

Below: Robust and inexpensive materials – like plywood – are featured in the interior



For architects Dougal Sheridan and Deirdre McMenamin, it was important to accommodate these diverse functional requirements in an extension that would seamlessly integrate with the existing barn and respect the rural qualities of this setting. Therefore, they drew on the forms, materials and construction techniques of the surrounding agricultural structures and designed an autonomous corrugated metal and polycarbonate-clad building form that is interlocked with the barn, without interfering with its formal integrity.

The new extension mediates between the barn and the surrounding landscape. A series of new indoor rooms and outdoor terraces provide physical connections to different areas of the site. The painting gallery has one large folding shop front window, providing an entry point from the road side. Its road frontage allows it also to be used for the sale of farm products. Another large sliding door, derived from traditional barn construction, opens the living spaces to the rural landscape and creates, at the same time, an internal balcony or loggia. A protected deck – like the cockpit of a boat – is recessed into the roof of the extension. It is accessed from both the upper level and the lower deck, and provides a look-out point with enveloping views of local vineyards and the sea beyond.

The use of inexpensive and robust materials has been extended to the interior where walls, ceilings and floors are lined with plywood, which also folds in places to form integrated benches and tables. Roof light scoops manipulate the light entering the extension through areas of the polycarbonate skin.

For Jane and Robert Kinsey and their family, the real surprise was how the new indoor and outdoor space frame views they had not believed would exist on their site. To their delight, they can now see the sea from their new roof deck, which also links with the garden. While the new sunroom or loggia, which steps down the site to the east, focuses instead on the adjacent vineyard. "On fine days, when the glass-sliding wall is opened, it creates the feeling of being outside in the landscape while still being protected", say the Kinsey family. This room is always warm and sunny due to the high level windows, which also allow a view up to the roof deck. In the gallery views are restricted but carefully placed roof lights provide indirect daylight for the paintings and above work surfaces. The gallery can be separated from or joined with the living areas of the house through a large folding screen. For the Kinseys it is the perfect space to withdraw from or connect with family life!

Photography: John Sheridan

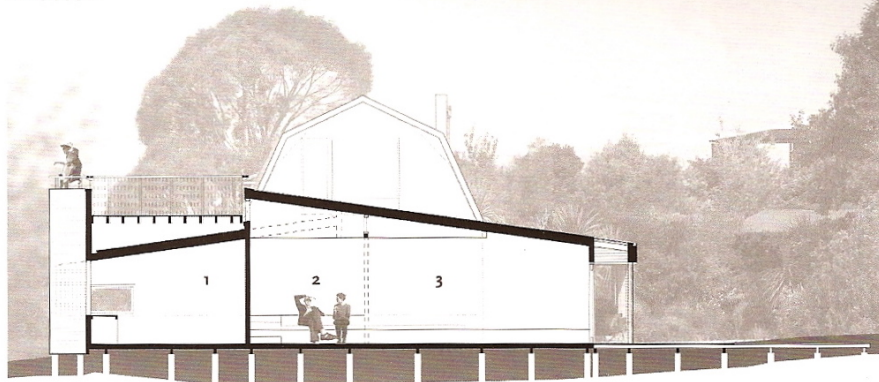
View and below right:
The entrance to the new
room extension

View left: Rooms frame
views of the picturesque
New Zealand landscape

View right: The upper
and lower decks



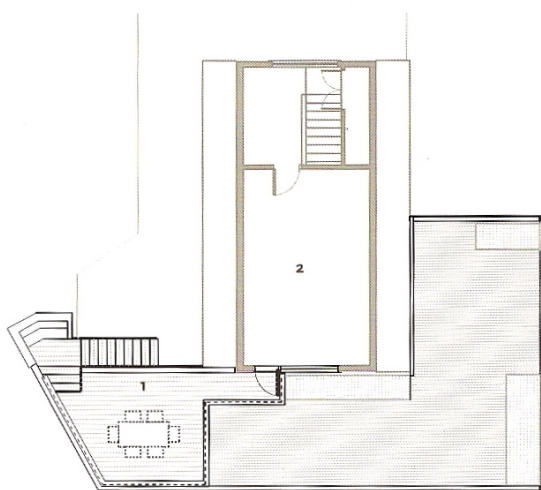
SECTION



Section

- 1 bedroom
- 2 loggia
- 3 gallery

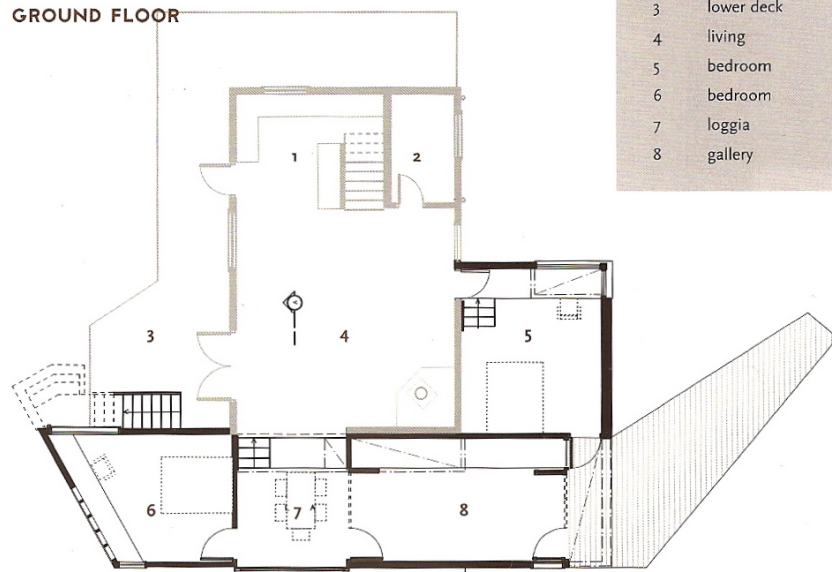
UPPER PLAN



Upper plan

- 1 upper deck
- 2 bedroom

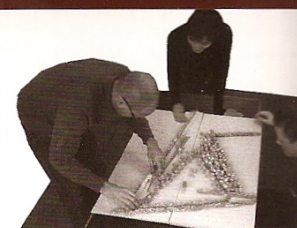
GROUND FLOOR



Ground floor

- 1 kitchen
- 2 bathroom
- 3 lower deck
- 4 living
- 5 bedroom
- 6 bedroom
- 7 loggia
- 8 gallery

Architects: LiD Architecture



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LiD Architecture was established in 2002 by Dougal Sheridan and Deirdre McMenamin. LiD's work is focused on the issues of occupant experience, sustainability, and in the use of landscape strategies in architecture as a method of integrating projects into their urban or rural contexts. LiD are interested in the use of landscape as a metaphor and as a method to enable a less inhibited relationship to spatial environments. Projects include residential, public-use buildings, landscape design, and research. The office is based in Belfast and Donegal, with work on both sides of the border, as well as projects in Germany and New Zealand.

Dougal is a Lecturer in the Architecture School, University of Ulster and both principles work with the Building Initia Research Group.

PROJECT FACTS

Extension size interior: 66m²
Outdoor spaces: 24m²
Project cost: €40,000

